APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

On the Theory of the Non-Linear Regime in Transit Klystrons, by Yu. A. Kitsman, I. I. Zil'berman, O. P. Gertsmanovich, 2 pp.

RUSSIAN, per., Radiotekh i Elektron, Vol IV, No 0 1959, pp 1412-.

FP

135,367

Sol. -
Jan 61.

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

On the Dependence of the Frequency of Quartz Generators on the Power Dissipated in the Quartz, by M. E. Zhabotinskiy, P. E. Zil'berman,

RUSSIAN, per, Radiotekh i Elektron, Vol III, No 2, 1958, pp 276, 277.

MIT Lincoln Lab

Sci - Electron

Apr 58

62,147

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Variational Principle in the Theory of Green's Functions for Inhomogeneous Systems
By P.E. Zil'berman pp8

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 2, 1963, pp386-396

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 2

Sci

Sep 63

344,806

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

On Fluctuations in Quartz Oscillators, by M. E. Zhabotinskiy, F. E. Zil'berman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX No 5, 1958, pp 929-931.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 2

Sci - Phys

Jul 59

91,895

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Preparation, Composition and Certain Properties of the Diethyldithiocarbamate Complexes of Uranyl, by Ya. I. Zil'berman, B. I. Peshchevitskiy, 6 pp.

RUSSIAN, per, Radiokhim, Vol II, No 6, 1960, pp 663-667.

AEC-tr-4578
PL-480

Sci

Aug 62
PST 570

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Some Reactions of Nitriles Leading to the Formation of a New Nitrogen-Carbon Bond, by Ye. N. Zil'berman,

RUSSIAN, per. Uspekhi Khimii, Vol XXIX, No 6, 1960, pp 709-735, 9072508.

NIH No 10-17-60

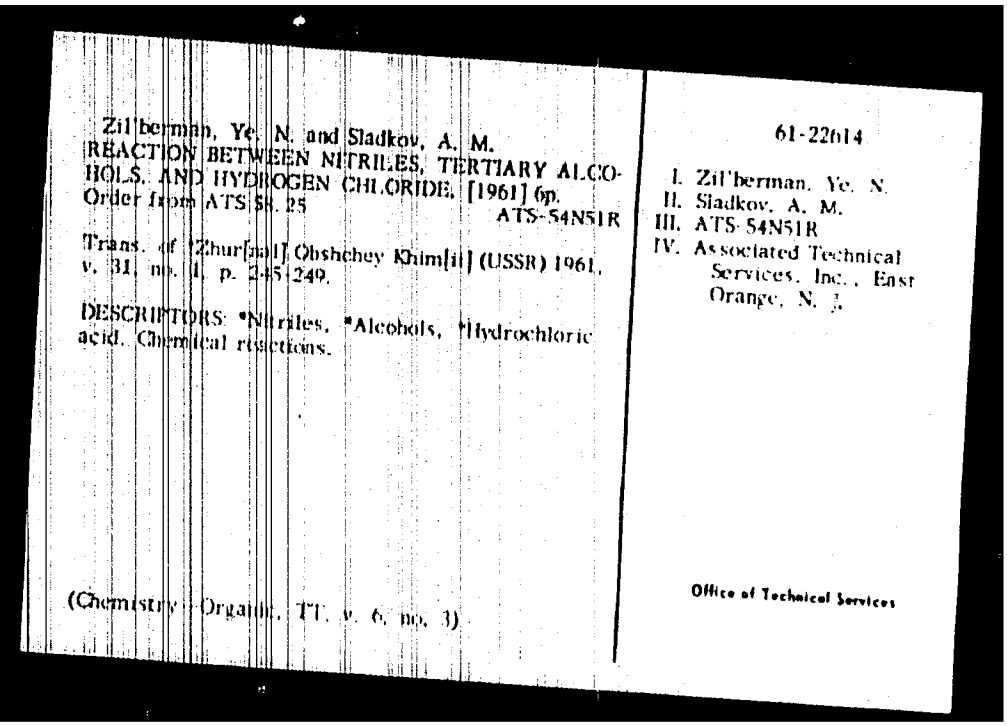
Sci - Chemistry

Nov 60

131, 370

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Zil'berman, Ye. N. and Sladkov, A. M.
REACTION BETWEEN NITRILES, TERTIARY ALCOHOLS, AND HYDROGEN CHLORIDE. [1961] 6p.
Order from ATS 58.25 ATS-54N51R

Trans. of [Zhurnal] Obshchey Khimii [i] (USSR) 1961, v. 31, no. 1, p. 245-249.

DESCRIPTORS: *Nitriles, *Alcohols, *Hydrochloric acid, Chemical reactions.

(Chemistry - Organic, TT, v. 6, no. 3)

61-22014

I. Zil'berman, Ye. N.
II. Sladkov, A. M.
III. ATS-54N51R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

A New Synthesis of Iminodisulfonates, by E. N. Zilbermen and M. M. Smirnova, 4 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 3, 1956, pp 672-674.

Consultants Bureau

42, 491

Sci- Chemistry
Jan 57 CIS

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Reaction Products of Adipic Acid and Ammonia, by E. N. Zilberman, 5 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 11, 1955, pp 2127-2131. ST CIA 5/2766-C, reel 3.

Consultants Bureau

37,609

Scientific - Chemistry
Aug 56 CMS

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Condensation of Cyclohexanone with Ammonia, by G. A. Razuvaev, E. N. Zilberman, S. V. Svetozarskiy
4 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 2, 1956, pp 601-603. CIA X007073 C. Reel 54

Consultants Bureau

41,720

Sci - Chemistry
Dec 56 CTS

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Heteroazeotrope of Cyclohexanol and Water, by E. M. Zilberman, 3 pp.

RUSSIAN, no per, Zhur Prik Khim. Vol XXVI, No 8, 1953, pp 886-888.

Consultants Bureau

Scientific - Chemistry CTS/DBX

18,483

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Water - Adiponitrile - Ammonia System, by
E. N. Zilberman, 7 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVI, No 9,
USSR, Sep 1953, pp 941-948.

Consultants Bureau

Scientific - Chemistry Dec 54 CTS

19,708

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Products Resulting From Reaction of Hexamethylenediamine With Certain Inorganic Acids, by E. N. Zilberman, G. N. Matveyeva, 4 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII, No 9, 1955, pp 1013-1015. CIA C 4251

Consultants Bureau

35,783

Scientific - Chemistry
Jun 56/dex

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Synthesis of ω,ω'-Di(2,4-Dihydroxybenzoyl)-Alkanes and Aralkenes from Dinitriles and Resorcinol, by N. A. Rybakova, and Z. N. Zil'berman, 3 pp.

RUSSIAN. per. Zhur Obshch Khim, Vol XXXI, No 4, 1961, pp. 1272 - 1274

CB

196,708

Sai
Apr 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

New Reaction of Chloroscetonitrile with Hydrogen Chloride and Alcohols, by EM. Zil'berman and A. Ya. Lazaris, 2 pp.

RUSSIAN, per. Zhur Obshch Khim, Vol XXXI, No 4, 1961 pp. 1321 - 1323

CB

196,717

Sci
Apr 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

A System With an Enclosed Region of Stratification. The Reciprocal Solubility of Hexamethylenеimine and Water, by E. N. Zilberman, Z. D. Skorikova, 2 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XXIII, No 10, USSR, Oct 1953, pp 1629, [illegible]. O I A D 15100 2

Consultants Bureau

Scientific - Chemistry Sov Sci Lit 55/2573

CTS 64/Jan 55

20,606

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Mutual Solubility of Cyclohexanol and Water by
E. B. Zilberman, 3 pp

RUSSIAN, Zhur Prik Khim, Vol XXIV, No 7, July 1951,
pp 776-779

Consultants Bureau
Vol 24, July 1951

USSR
Scientific - Chemistry

A 1345

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Production of Adipic Acid by Oxidation of Cyclohexanol by Means of Nitric Acid, E. N. Zilberman, S. N. Suvorova and Z. S. Smolyan, 6 pp.

Full tr

RUSSIAN, mo per, Zhur Prik Khim, Vol XXIX, No 4, 1956, pp 621-627.

54,626

Consultants Bureau

Sci - Chemistry
Dec 56 CTS

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Oxidation of Cyclopentanone with Nitric Acid, by M. E. Zilberman and A. K. Kirillov, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXX, No 6, 1957, pp 960-962.

Consultants Bureau

Sci - Chem

Sep 58

73,228

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Preparation of Imido Ethers and Esters of δ -Cyanovaleric Acid, by E. N. Zil'berman, A. E. Kulikova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9, 1959, pp 3039-3041.

CB

Sci

129,308

Sep 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Molecular Structure of Unsaturated Ketones -- Bimolecular Cyclohexanone Condensation Products, by Ts. M. Roginskaya, S. V. Svetozarskiy, A. I. Finkel'shtein, E. N. Zil'berman, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 8, 1958, pp 2229-2232.

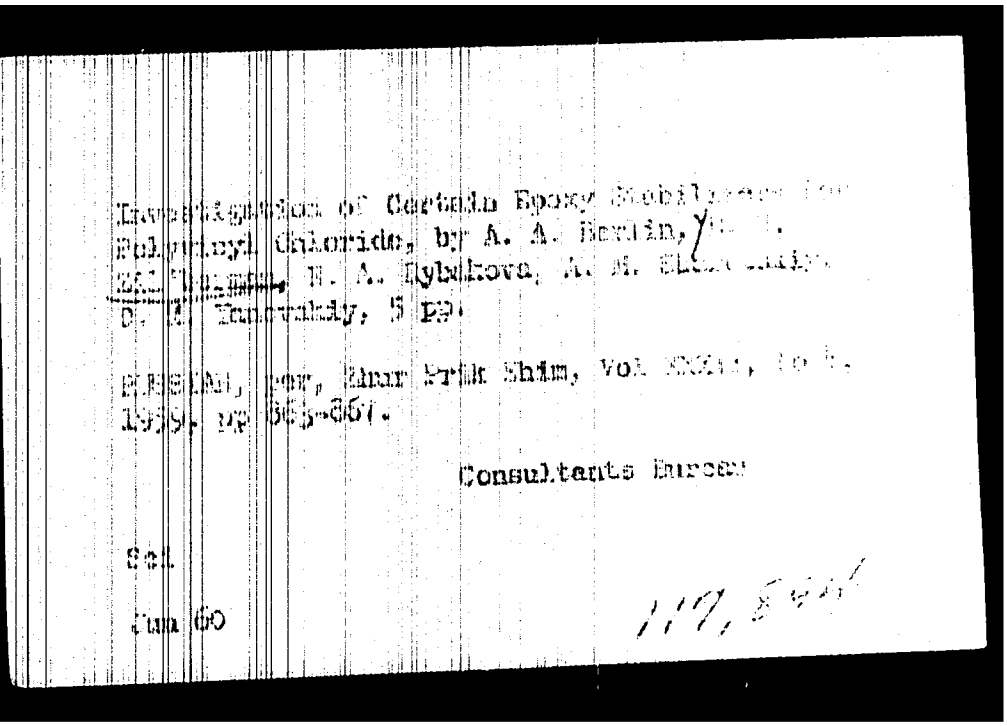
CB

Sci - Chem
Oct 59

99,949

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Investigation of Certain Epoxy Stabilizers for Polyvinyl Chloride, by A. A. Berlin, Yu. [illegible], Z. [illegible], N. A. Bykhova, A. M. [illegible], D. Z. Tumarkiny, 5 pp.

Plasticheskiye, [illegible] Khim, Vol [illegible], No 5, 1959, pp 865-867.

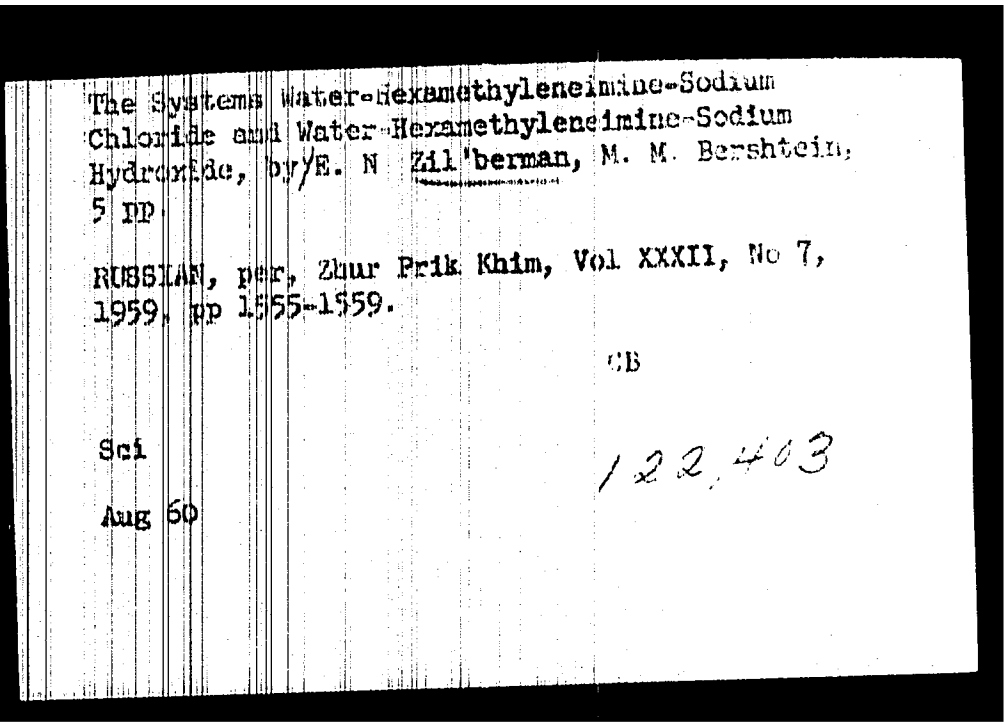
Consultants Bureau

Sel.

Jun 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



The Systems Water-Hexamethyleneimine-Sodium Chloride and Water-Hexamethyleneimine-Sodium Hydroxide, by E. N Zil'berman, M. M. Bershtein, 5 pp

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 7, 1959, pp 1555-1559.

CB

Sci

Aug 60

122,403

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Stabilization of Polyvinyl Chloride by Ba Salts of Stearic and Epoxystearic Acids, by D. M. Yanovskiy, A. A. Berlin, E. N. Zil'berman, N. A. Rybakova, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 7, 1959, pp 1575-1580.

CH

Sci

Aug 60

122,397

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Amidoximation of the Dinitriles of Adipic and Sebacic Acids, by/B. N. Zil'berman, N. A. Rybakova, 3 pp.

RUSSIAN, pur, Zhur Obshch Khim, Vol XXIX, No 10, 1959, pp 3347-3349.

CB

Sci

Oct 60

130,619

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Mechanism of Secondary Amide Formation by the Reaction of Nitriles With Carboxylic Acids, by E. N. Zil'berman, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 10, 1959, pp 3350-3354.

CB

Sci

Oct 60

130,620

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Low-Temperature Autocondensation of Cyclohexanone, by S. V. Svetozarskiy, E. N. Zil'berman, G. A. Razuvayev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 5, 1959, 1454-1457.

Consultants Bureau

Sci

Jul 60

120-437

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Zil'berman, Ye. N. and Teplyakov, N. M.
SYNTHESIS OF COMPLEX POLYESTERS FROM DINITRILES AND GLYCOLS VIA POLYIMINOESTER HYDROCHLORIDES. 20 Apr 60 [7]p. 4 refs.
Order from LC or SLA mi$1.80, ph$1.80 60-18469

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2 [no. 1] p. 133-135.

By interaction of dinitriles of alkanedioic and aralkanedioic acids with glycols in the cold and in the presence of hydrogen chloride, there are formed polyiminoester hydrochlorides that are transformed by hydrolysis into complex polyesters having terminal nitrile and hydroxy groups. Eight complex polyesters with molecular weights of 1000-1700 were synthesized. (Author)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18469

1. Esters--Synthesis
2. Cyanides--Chemical reactions
3. Glycols--Chemical reactions
I. Zil'berman, Ye. N.
II. Teplyakov, N. M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Products of the Interaction of Adiponitrile With Hydrogen Chloride and Their Hydrolysis, by E. N. Zil'berman, A. E. Kulikova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 5, 1959, pp 1694-1698.

Consultants Bureau

Sci

Jul 60

120.484

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Mechanism for the Oximation of Cyclohexanone with Sodium Hydroxylamine Monosulfonate. by E. N. Zilberman and N. M. Smirnova, 4 pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol CXV, No 1, 1957, pp 927-930.

Consultants Bureau

Sci - Chem

Aug 58

70,926

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

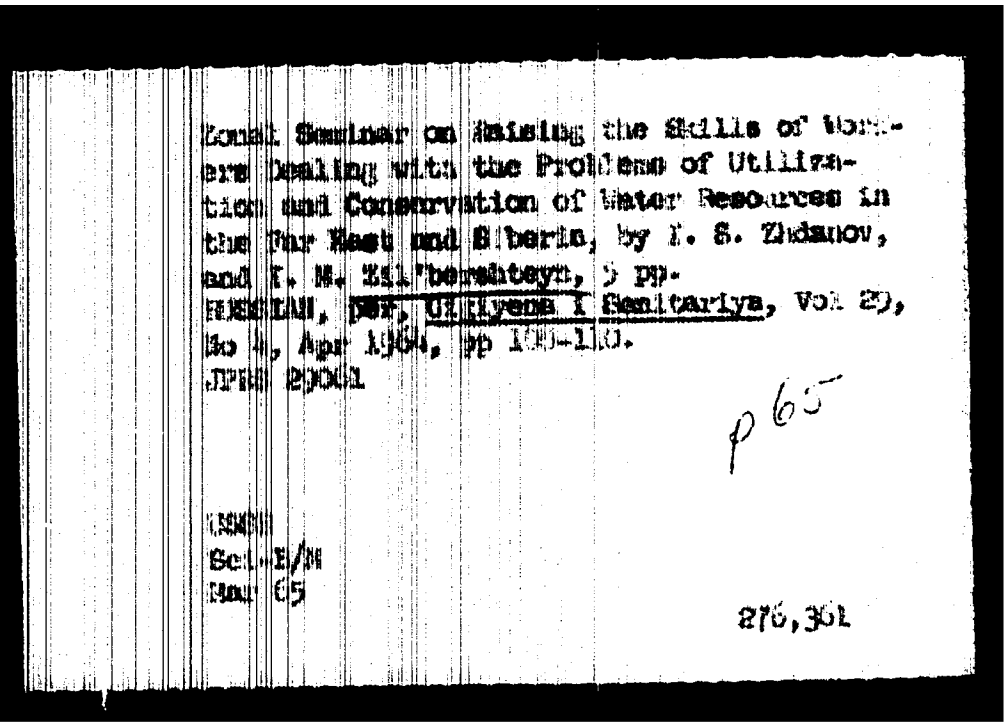
Stages of Mineral Formation of the Chukotka Tin-Ore Deposits, by A. V. Zil'bermints. RUSSIAN, per, Dok Ak Nauk SSSR,Earth Science Sections, Vol CLIII, ¤ No 1-6, Nov, Dec 1963, pp

Amer Geol Inst

Sci
Jul 65

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Zonal Seminar on Raising the Skills of Work-
ers Dealing with the Problems of Utiliza-
tion and Conservation of Water Resources in
the Far East and Siberia, by I. S. Zhdanov,
and T. M. Zil'bershteyn, 5 pp.
KHIMIYA, per, Gigiyena i Sanitariya, Vol 29,
No 4, Apr 1964, pp 109-110.
JPRS 29001

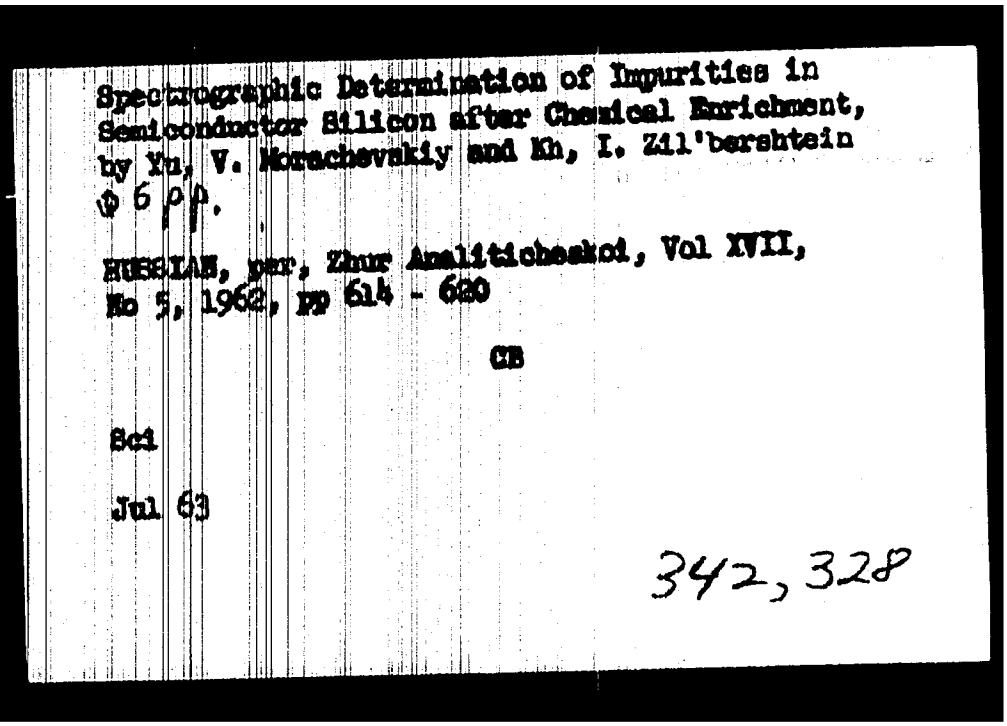
p 65

Sci-E/M
Mar 65

276,361

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Spectrographic Determination of Impurities in Semiconductor Silicon after Chemical Enrichment, by Yu. V. Morachevskiy and Kh. I. Zil'bershtein
6 pp.

RUSSIAN, per, Zhur Analiticheskoi, Vol XVII, No 5, 1962, pp 614 - 620

CB

Sci

Jul 63

342,328

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Factors Affecting Line Intensities in Spectrum Analysis of Solutions, by Kh. I. Zil'bershtein, 2 pp.

Full tr

RUSSIAN, bimo per, Iz Ak Nauk, Ser Fiz, Vol XIX, No 2, 1955, p 197. CIA C 42795

35,852 Columbia Tech Tr

Scientific - Physics, ~~Mathematics~~, Chemistry
Jun 56 CTS/dex

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Effect of the Electrode Diameter on the Butt and Seam Welding of Tubing, by B. D. Zhukovskiy, L. I. Zil'bershtein, V. I. Mizera, 4 pp.

RUSSIAN, per, Svaroch Proiz, No 7, 1960, pp 11-12.

BWRA

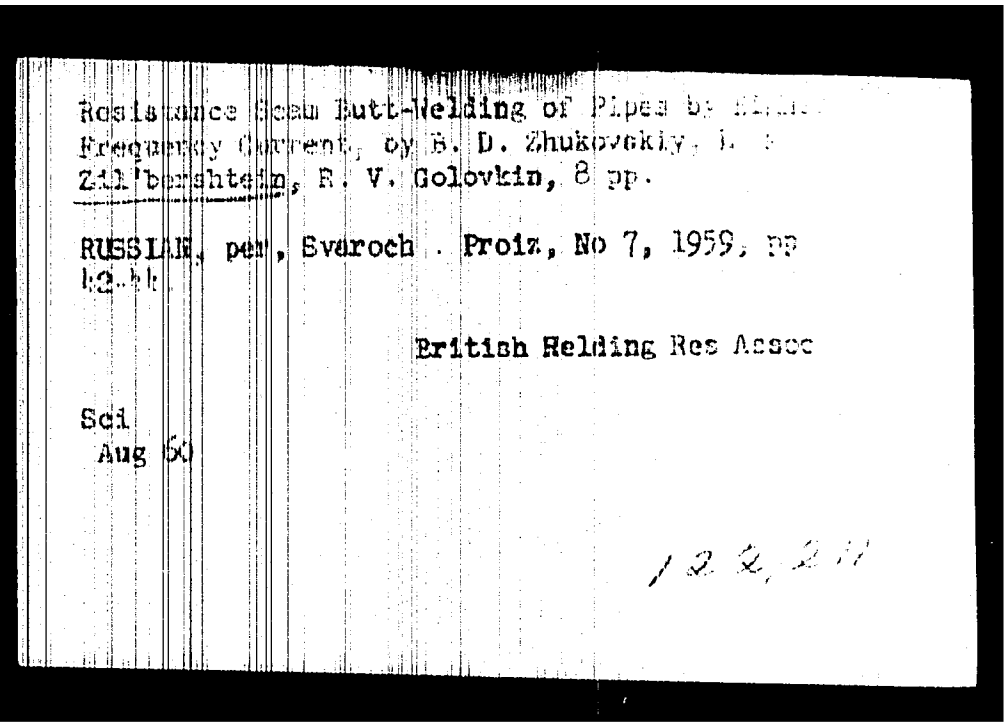
169,988

Sci

Oct 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Resistance Seam Butt-Welding of Pipes by Alternating Frequency Current, by B. D. Zhukovskiy, L. [illegible] Zil'bershtein, R. V. Golovkin, 8 pp.

RUSSIAN, per, Svaroch. Proiz, No 7, 1959, pp 42-44.

British Welding Res Assoc

Sci
Aug 60

122,211

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Using the Reserve Capacities of Existing Open-Hearth Furnaces, by M. A. Zil'bershtein, P. K. Morokov, V. N. Kazantsev, 3 pp.

RUSSIAN, per, Stal, No 11, 1960, pp 985-988.

BISI

145,402

Sci

Apr 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

On the Way to Further Successes, by M. B. Zilbershtein, 4 pp.

RUSSIAN, per, Metallurg, No 4, 1957, pp 16-18.

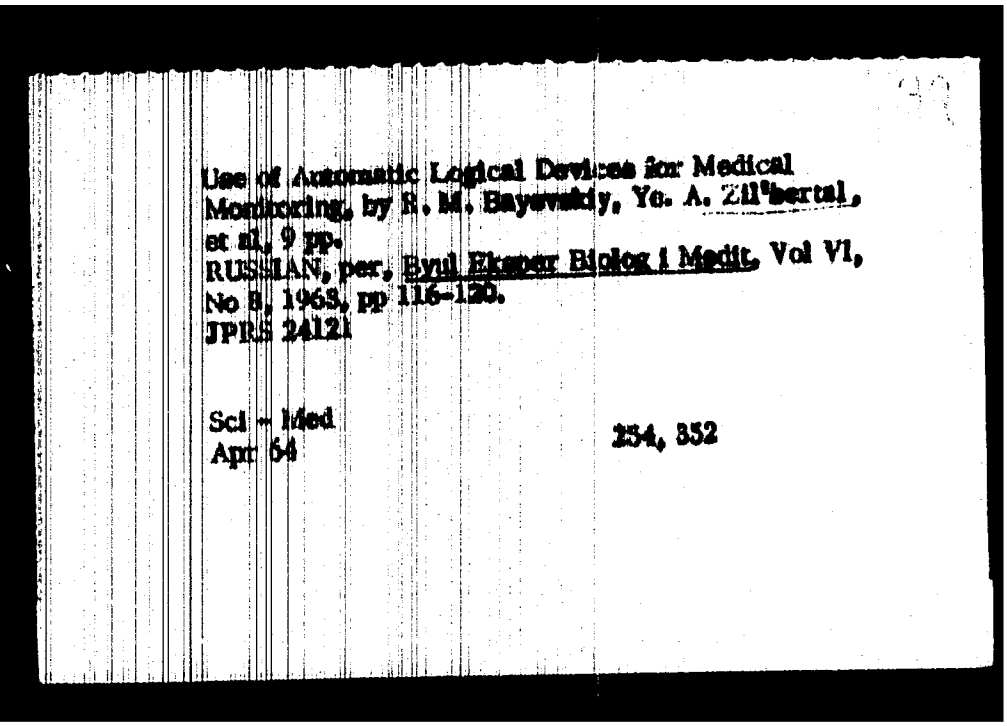
Consultants Bureau

Sci - Engr
1
Jun 58

66,992

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



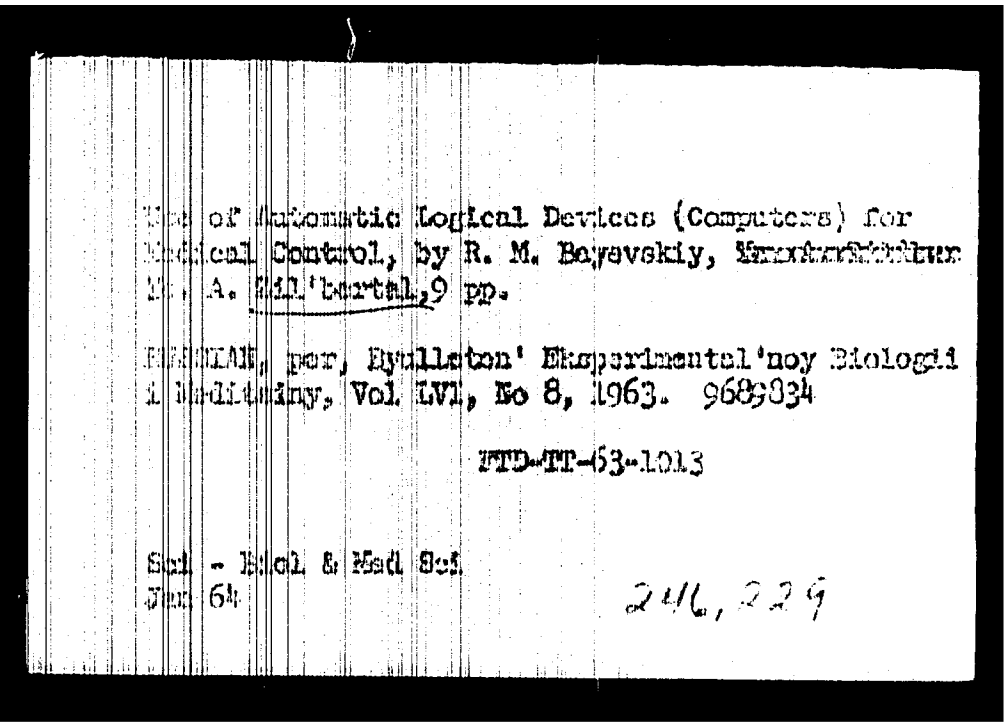
Use of Automatic Logical Devices for Medical Monitoring, by R. M. Bayevskiy, Ye. A. Zil'bertal, et al., 9 pp.
RUSSIAN, per, Byul Eksper Biolog i Medit, Vol VI, No 8, 1963, pp 116-120.
JPRS 24121

Sci - Med
Apr 64

254, 352

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Use of Automatic Logical Devices (Computers) for Medical Control, by R. M. Bayevskiy, [illegible] M. A. Mil'shtein, 9 pp.

[illegible], per, Byulleten' Eksperimental'noy Biologii i Meditsiny, Vol. LVI, No 8, 1963. 968934

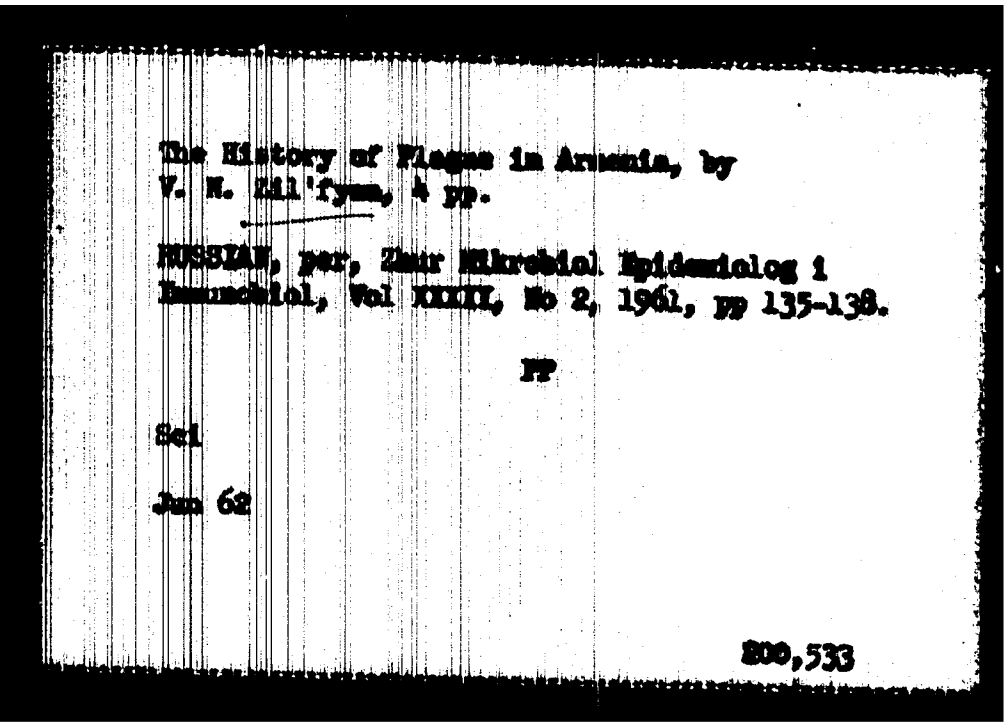
FTD-TT-63-1013

Sci - Biol & Med Sci
Jan 64

246,229

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



The History of Plagues in Armenia, by
V. N. Il'iyna, 4 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiolog i
Immunobiol, Vol XXXII, No 2, 1961, pp 135-138.

FP

Sci

Jun 62

800,533

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Molecular Weight and Constitution of Hypophosphoric Acid, by A. Rosenheim, N. Zilz, 12 pp.

GERMAN, per, Z Physik Chem, Vol CXXXIKa, 1928, pp 12-21.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD TX-315

49,460

Sci - Chem
Jun 57
IAC INTERNAL USE ONLY

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Strength of Metal Whisker Crystals Containing Impurities, by V. G. Kostyuk, K. K. Zilina, 5 pp.

RUSSIAN, por, Fiz Tverdogo Tela, Vol V, No 11, 1963, pp 3060-3065.

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 11

Sci
May 64

258,981

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Analysis of Plastics: PVC, by F. Zilio-Grandi, C. Liuzzo.
ITALIAN, per, Materie Plastiche e Elastomeri,
Vol 30, No 7, 1964, pp 643-653.
RAFRA-1240

F. Zilio-Grandi

Bel-MBM
Jul 66

106,085

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Hypophysis and Fe Iron Metabolism. The Absorption of $Fe^{59}$ in the Bone Marrow, Blood and Various Organs of Hypophysectomized Rats, by M. E. Austoni, D. Galletto, et al, 15 pp.
GERMAN, per, Wiener Zeitschrift fuer Innere Medizin, Vol XXXVII, No 4, 1956, pp 137-145. 9226280
AEC-UCRL-Tr-1154

p 2.2

Sci-Biol & Med
Jan 65

271,802

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

A Device for Measuring Resistance and Resistance Uniformity Along the Length of Uninsulated Wires, by S. I. Zilitinkevich, L. G. Krasheninnikov, et al, 14 pp.

RUSSIAN, per. Iz Vyssh Ucheb Zaved MVisSO SSSR po Razdelu Priborostroyeniye, Vol V, No 3, 1962, pp 21-29.

JPRS 21014

Sci

Sep 63

343,742

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Testing High-Power Carbided Cathodes Under Reduced P
Vacuum, by S. I. Zilitinkevich, M. D. Gurevich, 10 pp.

RUSSIAN, per, Iz Vysshikh Uchebn Zaved MVSSO SSSR
po Raydelu Priborostroyeniye, Vol V, No 5, 1962,
pp 3-9.

JPRS 18821

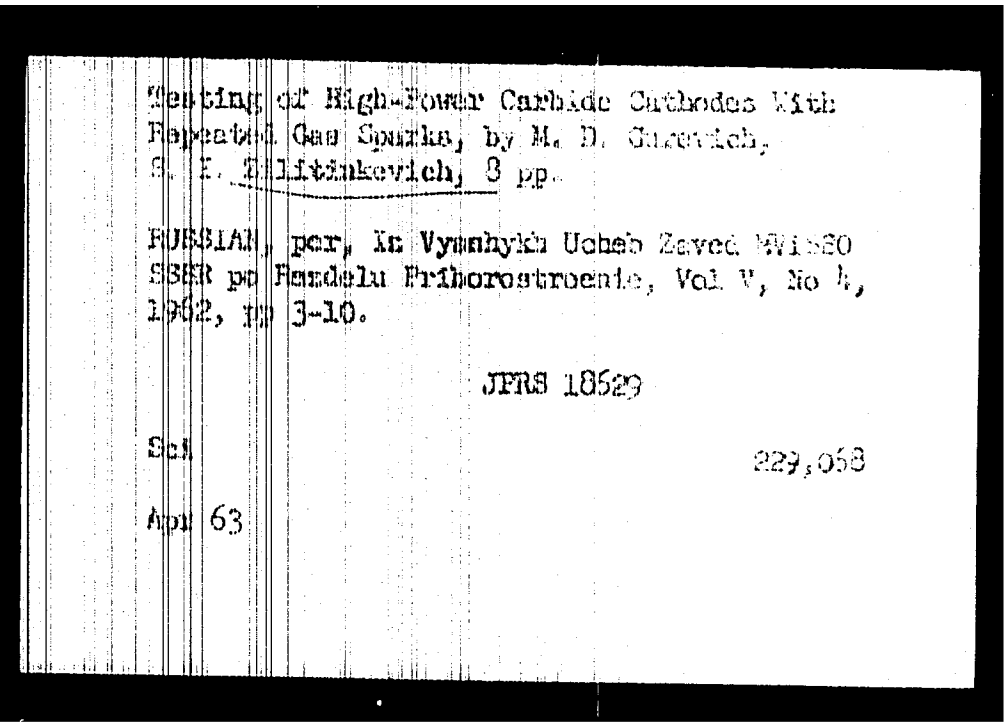
Sci - Eng

May 63

228,970

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Testing of High-Power Carbide Cathodes With Repeated Gas Sparks, by M. D. Gurevich, S. E. Litinskevich, 8 pp.

RUSSIAN, per, Iz Vysshykh Uchebn Zaved. Min-80 SSSR po Razvedku Prthorostroenie, Vol V, No 4, 1962, pp 3-10.

JPRS 18529

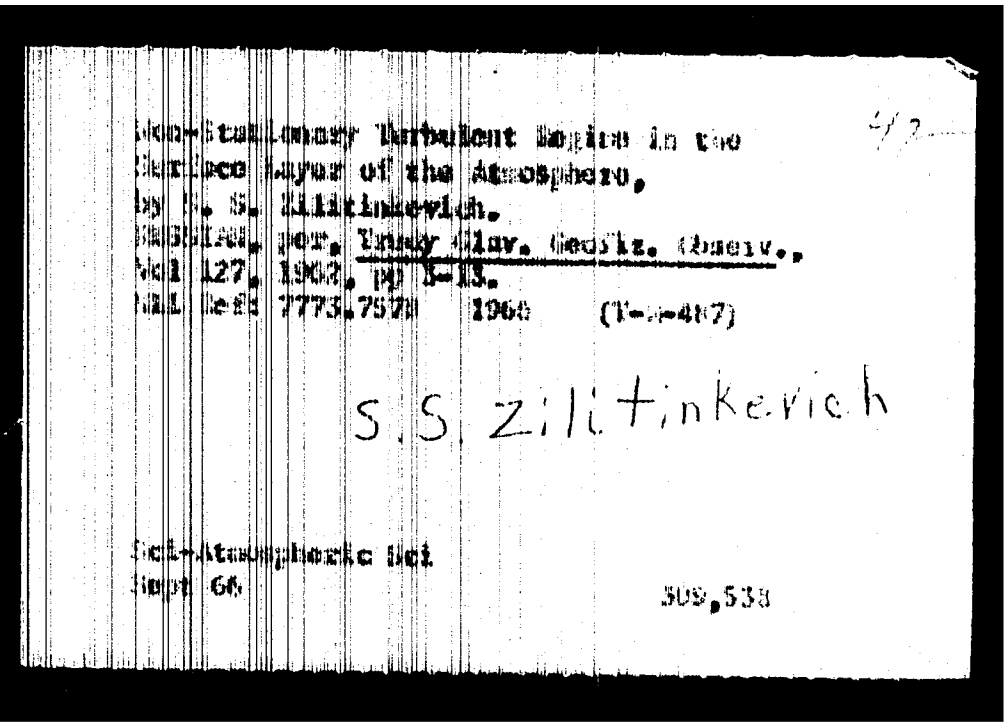
Sci

229,058

Apr 63

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



[illegible] Lamar turbulent layer in the
[illegible]pheric layer of the Atmosphere,
by M. S. Zilitinkevich.
[illegible]Akad. nauk. Uzbek. Fiz. Inst., no.
Vol 127, 1962, pp 5-13.
[illegible] Refs 7773.757 1966 (U-4467)

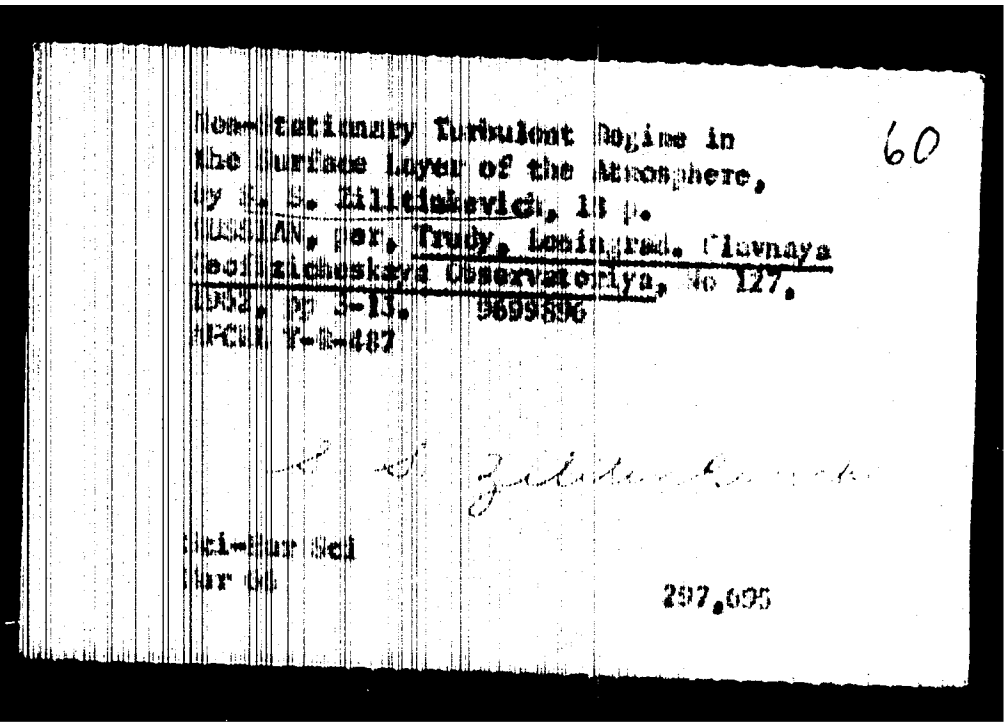
S. S. Zilitinkevich

[illegible]-Atmospheric Sci
Sept 66

509,538

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Non-stationary Turbulent Regime in
the Surface Layer of the Atmosphere,
by A. S. Lilliashevich, 11 p.
(RUSSIAN, per. Trudy, Leningrad. Glavnaya
Geofizicheskaya Observatoriya, No 127,
1962, pp 3-13. 9699896
NCAR T-1-487

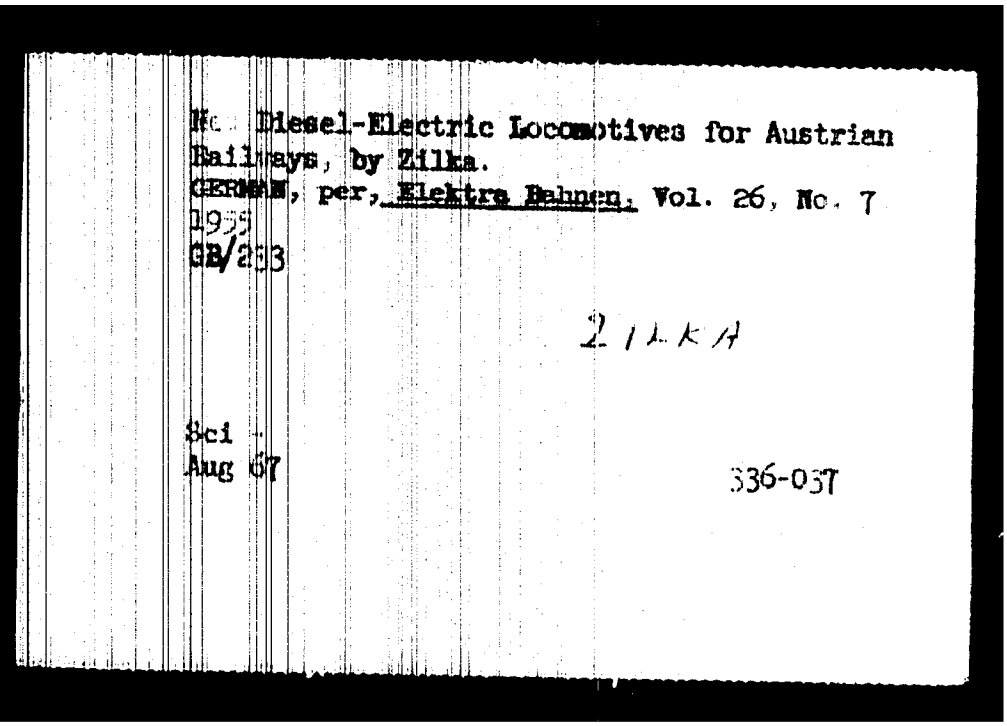
60

Sci-Tur Sci
Tur Cl

297.035

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Re: Diesel-Electric Locomotives for Austrian Railways, by Zilka.
GERMAN, per, Elektro Bahnen, Vol. 26, No. 7
1955
GB/253

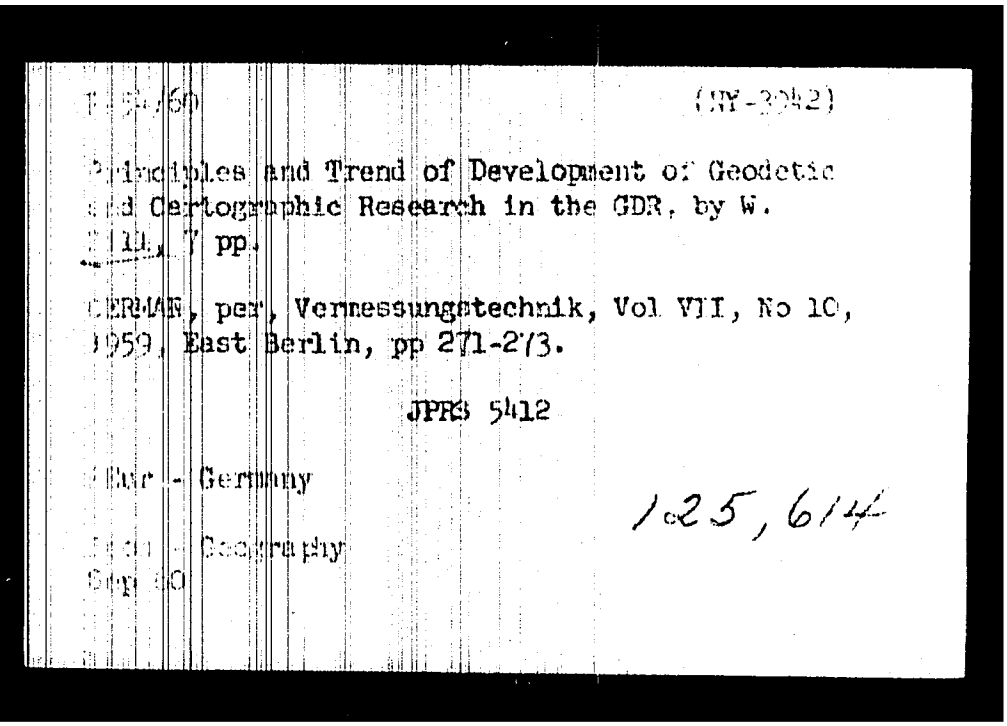
2 1 L K A

Sci
Aug 67

336-037

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



[illegible]/60 (NY-3042)

Principles and Trend of Development of Geodetic and Cartographic Research in the GDR, by W. [illegible], 7 pp.

GERMAN, per, Vermessungstechnik, Vol VII, No 10, 1959, East Berlin, pp 271-273.

JPRS 5412

[illegible] - Germany

[illegible] - Geography

Sep 60

125,614

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Deutsche Handelsbahn Within the Team Network, by Hermann Zeller, 26 pp. UNCL.

GERMAN, per, Die Handelsbahn, Vol XXIV, No 9, 1961, pp 334-393.

JPRS EC-6113

EAur - Germany

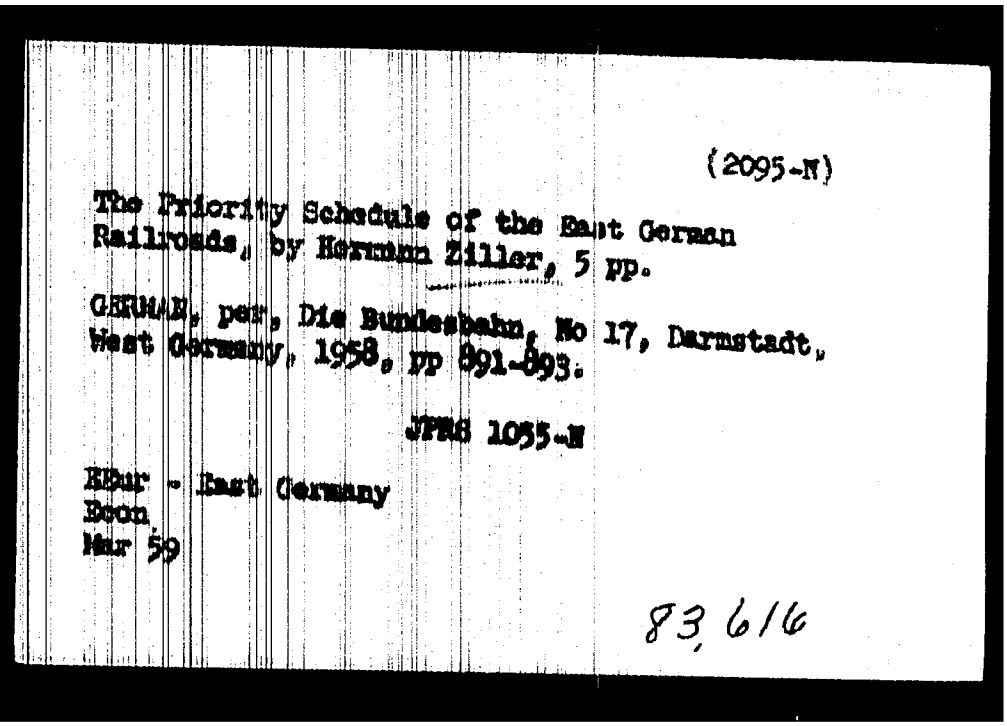
Econ - Transportation

Aug 61.

163,795

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



(2095-W)

The Priority Schedule of the East German Railroads, by Hermann Ziller, 5 pp.

GERMAN, per, Die Bundesbahn, No 17, Darmstadt, West Germany, 1958, pp 891-893.

JPRS 1055-N

RDur - East Germany
Econ
Mar 59

83,616

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Studies on Protein Biosynthesis, I. On Incorporation of $C^{14}$-Labeled Amino Acids Into Protein of Cellfree Nucleoprotein Enzyme Systems From Escherichia Coli B., by D. [redacted] Schachtschabel, W. Zilling , 11 pp.

GERMAN, per, Z Physiol Chem, VOL CCCXIV, 1959, pp 262-275.

NIH 2 30-62

191,468

Sci - Med

Apr 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Dec 61

Studies on the Biosynthesis of Proteins, III. On the Composition and Structure of Ribosomes, W. Zillig, W. Kronen, M. Albers.

GERMAN, per, Z Fuer Physiologische Chemie, Vol CCCXVII, 1959, pp 131-143.

NIH 8-4-61

175,038

Sci - Med

Dec 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Studies on the Biosynthesis of Proteins, II. Distribution of Amino Acid-Activating Enzymes in Cell Fractions From Homogenates of Escherichia Coli B, by D. J. McCorquodale, W. Zillig, 5 pp.

R GERMAN, per, Hoppe Seyler's Z fuer Physiologische Chemie, Vol CCCXV, 1959, pp 86-89.

NIH 9-20-61

Sci - Med

Jun 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Clinical Experiences with Thiogenal as a Hypnotic in Electro-Shock Treatment, by G. Willinger.

GERMAN, per, Therapie der Gegenwart, Vol XCIV, No 9, 1955, p 325.

ASLIB-CHR

Sel

Aug 59

93,677

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Protection Against Air Pollution in the Ironworks,
by E. Zillmer. UNCL

GERMAN, per, Stahl u Eisen, 30 Apr 1959,
pp 629-634.

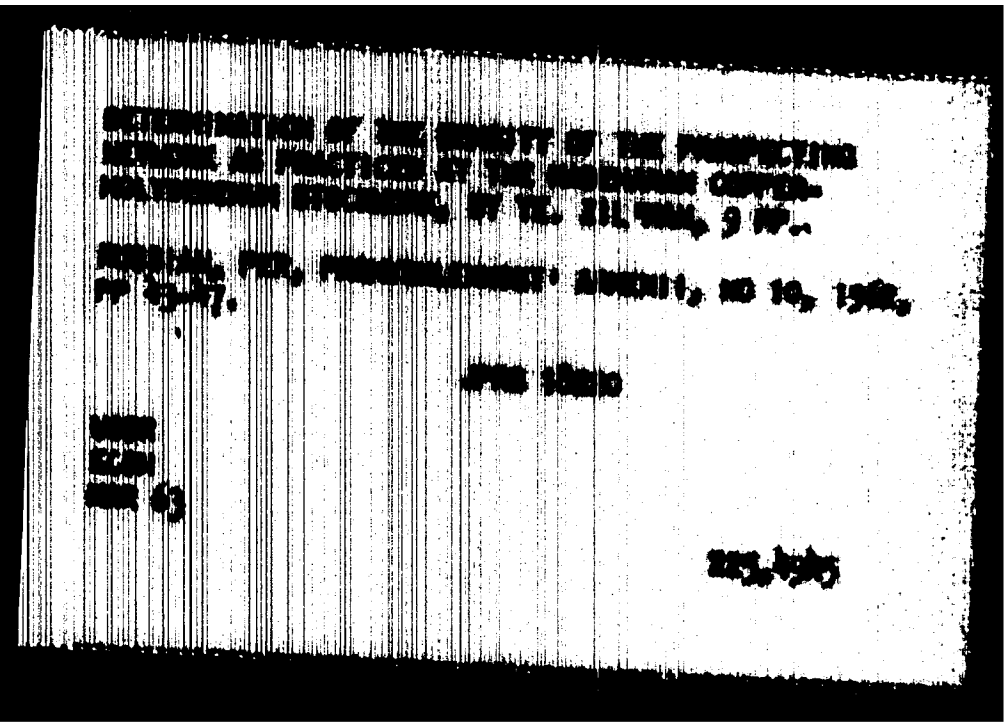
BISI 1385
(14.5.0)

Sel - Min/Met
Oct 59

98 631

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Ground Communications at Airfields, by Col Tech
Serv D. Ya. Zil'manovich.

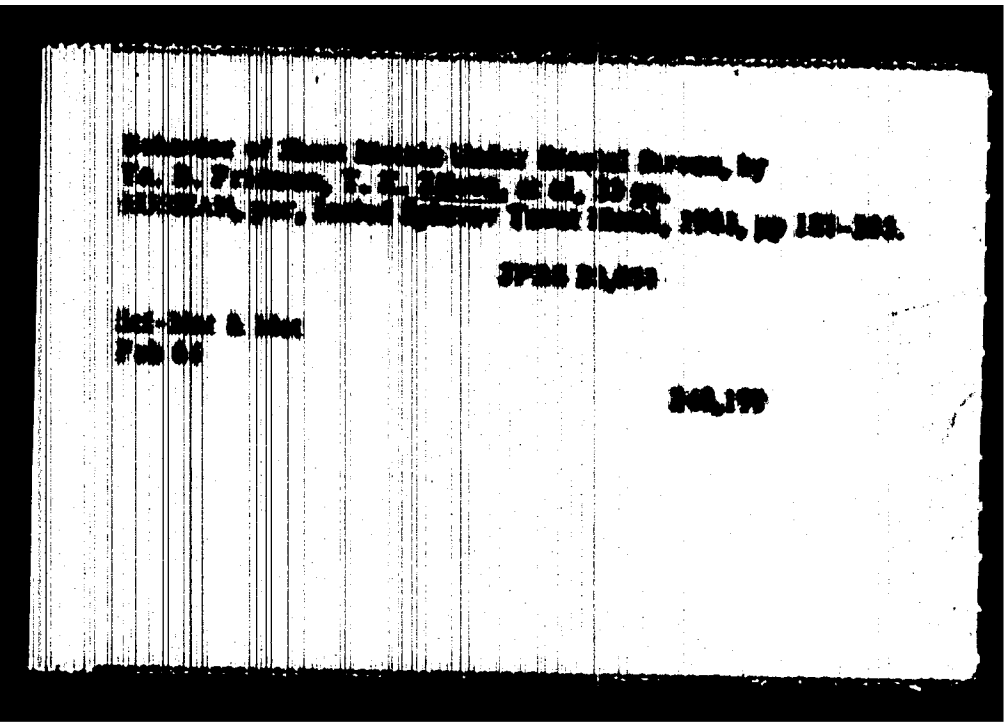
RUSSIAN, mo per, Vest Voz Flota, No 2, 19[illegible].

*Aid

USSR
Military

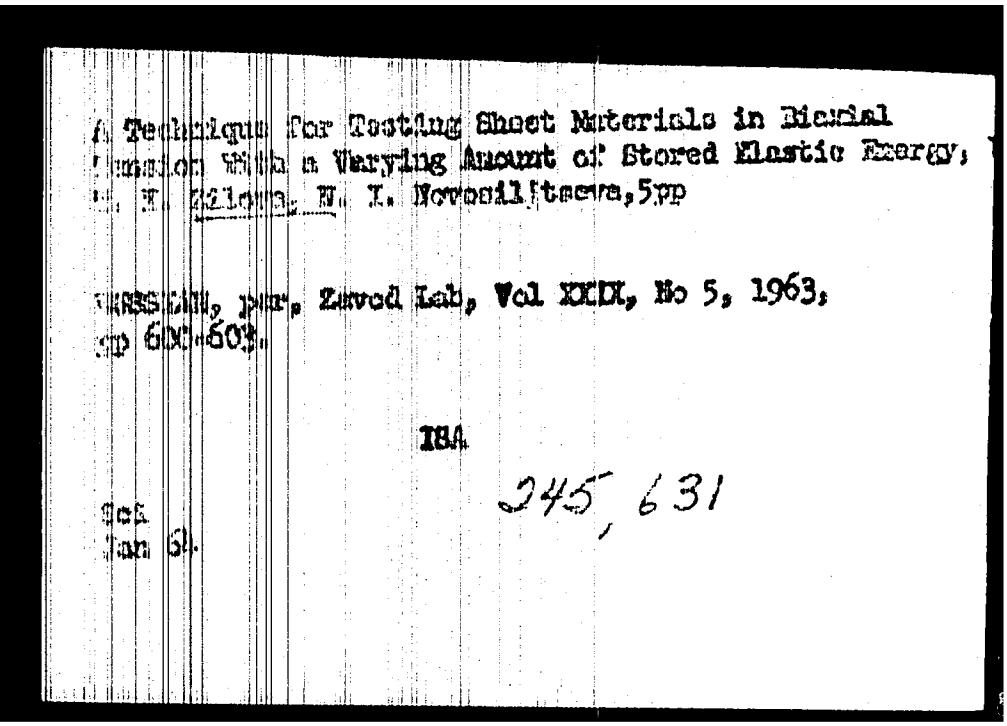
APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



A Technique for Testing Sheet Materials in Biaxial
Tension With a Varying Amount of Stored Elastic Energy,
[illegible] N. I. Novosibirsk, 5pp

[illegible], prr, Zavod Lab, Vol XXIX, No 5, 1963,
pp 607-608.

IBA

245, 631

Ref
Jan 64

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Testing of Studs in Tension With Torsion Under Yielding Loads, by T. K. Zilova, N. I. Petrukhina, 6 pp.

RUSSIAN, per, Zavod Lab, Vol XXVII, No 7, 1961, pp 877-882.

ISA

Sci
May 62

194,711

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Study of Heterogeneity of Plastic Flow During Torsion by the Knurled Grid Method, by T. K. Zilova, N. I. Demina, I. V. Friedman, 13 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol IV No 3, 1957, pp 455-469.

Pergamon Inst

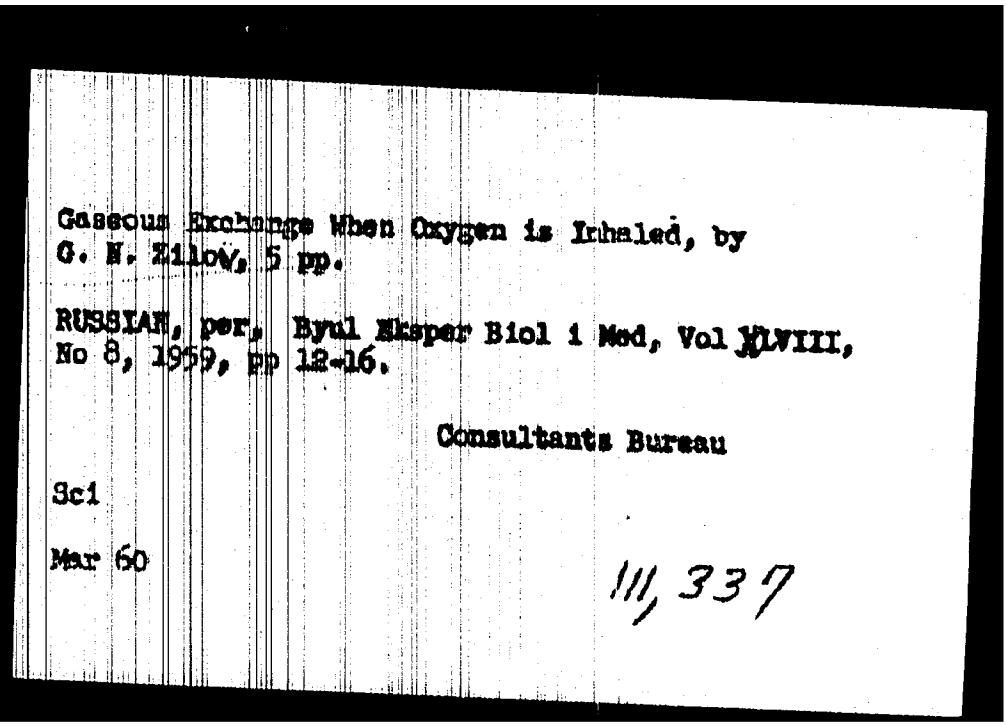
Sci - Chemistry

73,983

Sep 58

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Gaseous Exchange When Oxygen is Inhaled, by
G. N. Zilov, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLVIII,
No 8, 1959, pp 12-16.

Consultants Bureau

Sci

Mar 60

111, 337

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

ffect of Cracks upon the Mechanical Properties of
etals in Different States of Stress, by Ya. B. Fridman,
. K. Zilova, N. I. Zhukova, 1100 words.

USSIAN, per, Dok Akad Nauk SSSR, Vol XXCIV, No 1,
952, pp 67-70.

Brutcher No. 3542
$2.90

cientific - Minerals/metals

76,727

Sep 55

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Determination of Mechanical Properties With the Kinetics of Strain and Failure Taken Into Account, by Ya. B. Fridman, T. K. Zilova, B. A. Drozdovskiy et al, 8 pp.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 11, 1960, pp 1267-1283.

ISA

Sci

157,716

Jul 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Tensile Tests at Varying Amounts of Stored Elastic Energy, by F. K. Zilova, B. A. Falkin, N. I. Petrukhina, M. V. Ryazanov, Ya. B. Fridman, 7 pp.

RUSSIAN, per. Zavod Leb, Vol XXV, No 1, 1959, pp 76-82.

Instru Soc of Amer

Sel

Apr 60

113,476

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Regarding the Laws of the Kinetics of Deformation as a Function of the Compliance of Loading, by T. K. Zilova, N. I. Petrukhina, Ya. B. Fridman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 6, 1959 pp 1236-1239.

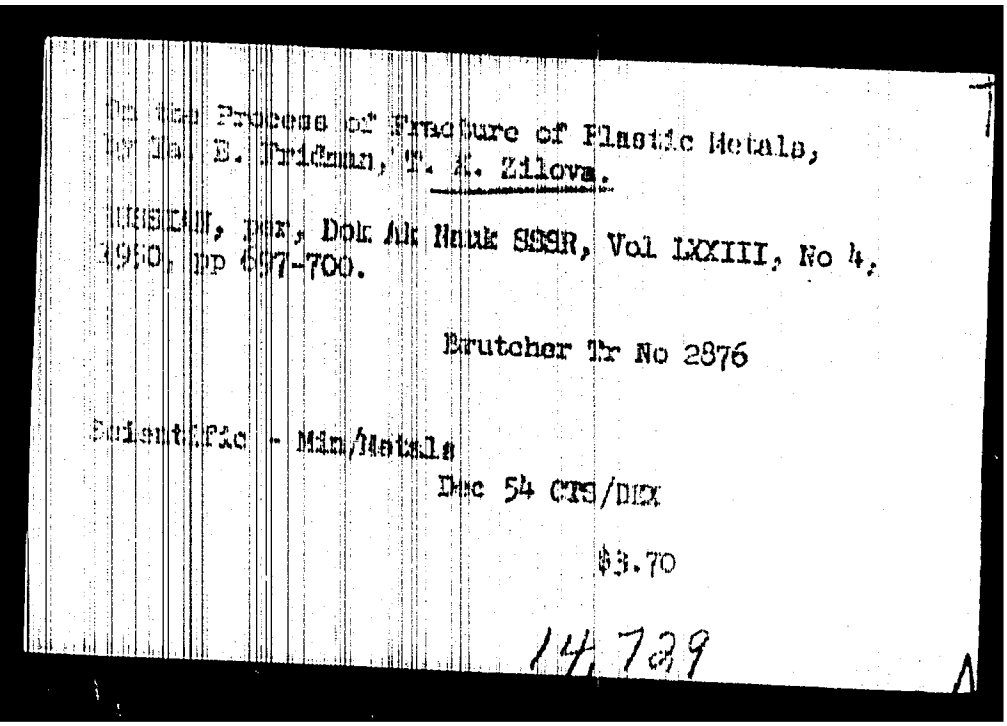
Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 1

Sci - Phys

97,112

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



The [illegible] Process of Fracture of Plastic Metals,
by Ya. B. Fridman, P. K. Zilova.

[illegible], Fiz, Dok Ak Nauk SSSR, Vol LXXIII, No 4, 1950, pp 697-700.

Brutcher Tr No 2876

Scientific - Min/Metals

Dec 54 CTS/DIX

$3.70

14,729

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Action of Various Modifications of Tetrasodium Pyrophosphate, by Heinz Zilske, 8 pp.

GERMAN, per, Seifen-Ole-Fette-Wachse, 1954, pp 434-435/

CIA/FDD/X-1712

25/155

Scientific - Chemistry Jul 55 CTS

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

(DC-5[illegible])

Heat Resistance of Polyester Glass Laminates, by Vaclav Zilvar, 5 pp. GOVERNMENT USE ONLY

CZECH, per, Chemicky Prumysl, Vol 11, No. 9, Sept 1961, pp 493-497.

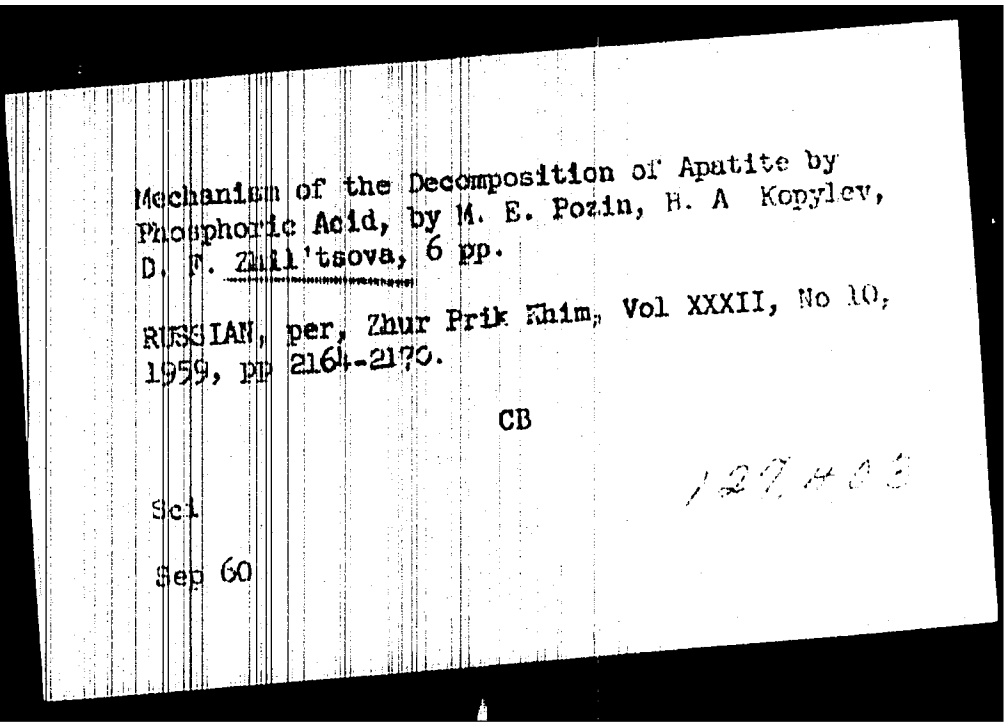
JPRS 12690

EEur-Czech
Econ
Mar 62

186, 996

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Mechanism of the Decomposition of Apatite by Phosphoric Acid, by M. E. Pozin, B. A Kopylev, D. F. Zhil'tsova, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 10, 1959, pp 2164-2170.

CB

Sci

Sep 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

"Increase in Labor Productivity in Construction Industry" [Czechoslovakia], by H. Zilvarova.

CZECH, per, Statisticke Zpravy, 31 Dec 58, Prague, pp 20-22.

FDD/Sum 2344

[illegible] - Czechoslovakia

Econ - Construction

Sep 59

97,318

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Automatic Control of the Thickness of Rubber Sheeting During Calendering, by Ya. Ya. Zilvestr, I. M. Starov, 3 pp.

RUSSIAN, per, Kuachuk i Rezina, Vol XX, No 8, 1961, pp 20-23.

RAPRA

Sci

Jul 62

204,106

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Certain critical observations on methods of raising the output from internal mixers, by I. N. Starov, Ya. Ya. Zilvester, 3 pp.

RUSSIAN, per, Kauchuk i Rezina, Vol XIX, No 12, 1960, pp. 9-12.

RAPRA

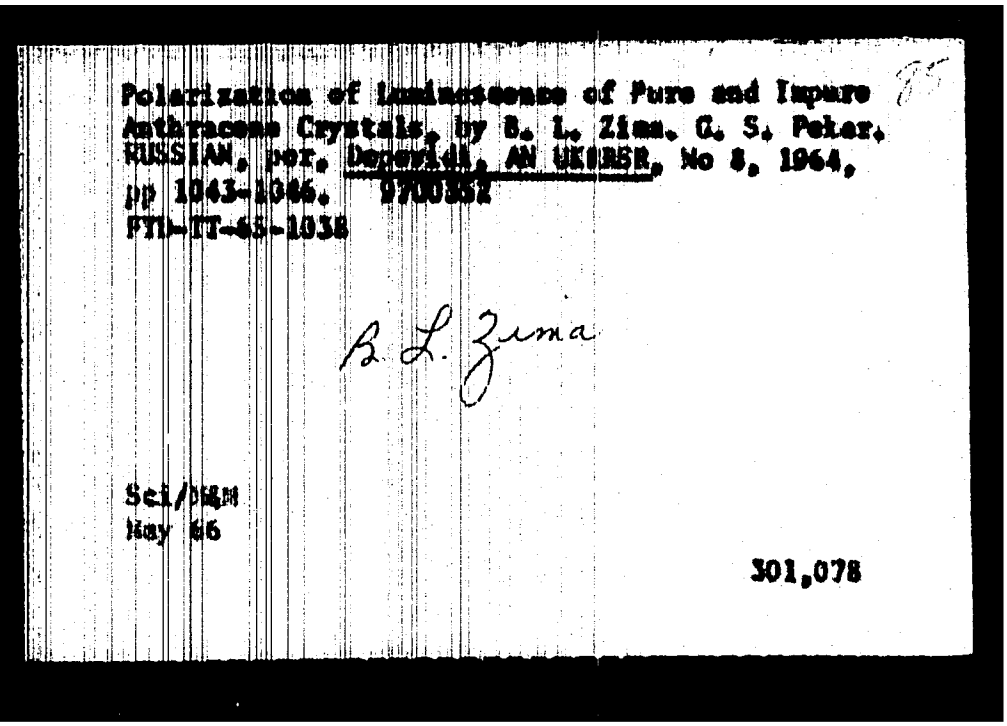
Sct

168 978

Sept 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Polarization of Luminescence of Pure and Impure Anthracene Crystals, by B. L. Zima, G. S. Peker, RUSSIAN, per. Dopovidi, AN UKRSR, No 8, 1964, pp 1043-1046. 9700852
FTD-TT-65-1038

B. L. Zima

Sci/M&M
May 66

301,078

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Methylthioethyl-2'-Pentylthiobarbituric Acid, Sodium Salt, a New Short-Action Anaesthetic, by O. Zima.

GERMAN, per, Der Anaesthesist, Vol III, 1954, pp 244-245.

ARLIB-082

Sci

Aug 59

95,168

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Beat Amplifier, by V. Zima, 17 pp.

CZECH, per, Ceskoslovensky Casopis pro Fysiku, Vol X, No 5, 1960, pp 499-510.
9673082

FTD-TT-61-15

Sci - Electron

2 Mar 62

186,220

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Polarization in the Luminescence of Pure and Impurity-Containing Anthracene Crystals, by V. L. Zima, G. S. Pekar, et al. RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 8, 1964, pp 1043-1046.
*FTD-TT-65-1038

Sci-M/M
Jul 65

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

Investigation of the Spectra of and the Conditions of Excitation Energy Transfer in Pure and Doped Anthracene Crystals, by V. L. Zima, V. M. Korsunskiy, et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXVII, No 4, 1963, pp 516-520.

CTT

Sci

Apr 64

256,040

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

The Effect of the Radioactivity of Molybdenum Trioxide on the Velocity of Its Evaporation, by V. I. Spitsyn, I. E. Zimakov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX, No 3, 1961, pp 654-657.

CB

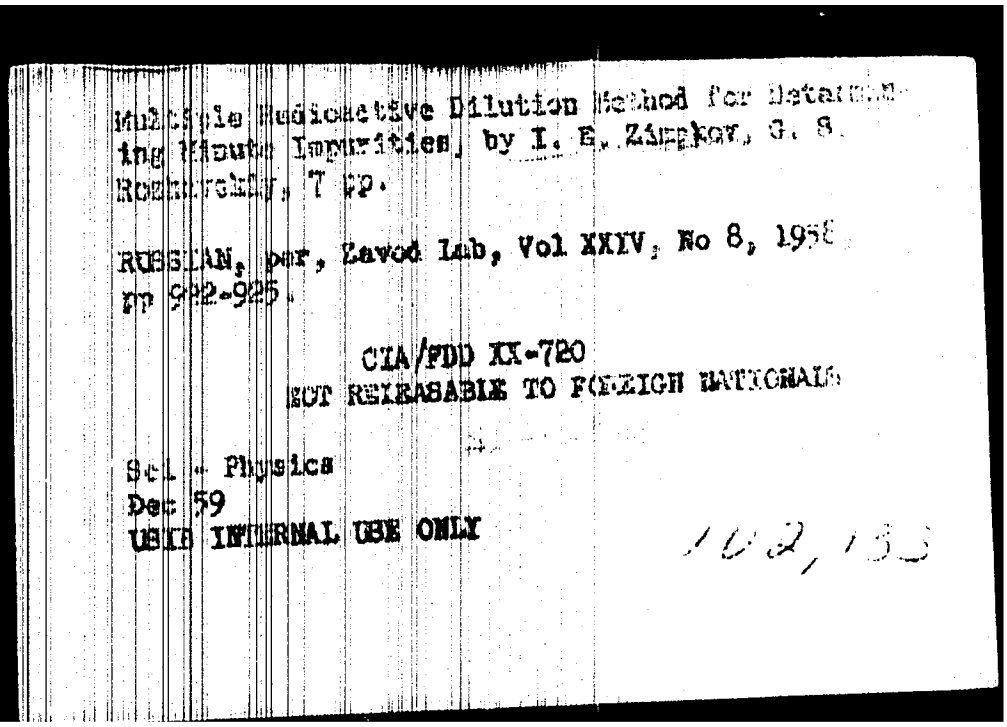
190,319

Sci

Apr 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2



Multiple Radioactive Dilution Method for Determining Minute Impurities, by I. E. Zaytsev, G. S. Rozenfeld, 7 pp.

RUSSIAN, pmr, Zavod Lab, Vol XXIV, No 8, 1958 pp 982-985.

CIA/FDD XX-720
NOT RELEASABLE TO FOREIGH NATIONALS

Sci - Physics
Dec 59
USIB INTERNAL USE ONLY

1082/13

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030062-2